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CLAIMS

- 1. A catheter assembly comprising: a wetting fluid (150; 250; 350; 450; 650; 750); a catheter (130; 230; 330; 430; 630; 730) having on its surface, on at least an insertable part thereof, a hydrophilic surface layer providing low-friction surface character of the catheter by treatment with said wetting fluid; and a receptacle (120; 220; 320; 420; 620; 720) enclosing at least the insertable part of the catheter; c h a r a c t e r i z e d in that the wetting fluid (150; 250; 350; 450; 650; 750) comprises at least one dissolved osmolality-increasing compound, wherein the total concentration of the dissolved osmolality-increasing compound(s) exceeds 600 mOsm/dm³.
- 2. The catheter assembly as claimed in claim 1, wherein the wetting fluid (650; 750) is arranged in wetting contact with the hydrophilic surface layer of the catheter (630; 730) in the receptacle (620; 720), for preservation of the hydrophilic surface layer in a wetted state during accommodation in said receptacle and provision of a ready-to-use catheter assembly.
- 3. The catheter assembly as claimed in claim 1, wherein said assembly presents a storage state in which the wetting fluid (150; 250; 350; 450) is kept separated from the hydrophilic surface layer of the catheter (130; 230; 330; 430), and an activation state in which the wetting fluid is brought into contact with said hydrophilic surface layer before an intended use of the catheter.
- 4. The catheter assembly as claimed in any one of the preceding claims, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) exceeds 700 mOsm/dm³, and preferably exceeds 800 mOsm/dm³.
- 5. The catheter assembly as claimed in any one of the preceding claims, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) is in the range of 850 to 950 mOsm/dm³, and preferably about 900 mOsm/dm³.
- 6. The catheter assembly as claimed in any one of the preceding claims, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) is less than 1500 mOsm/dm³.

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- 7. The catheter assembly as claimed in any one of the preceding claims, wherein said osmolality-increasing compound(s) is/are selected from the group consisting of urea, amino acids, mono and disaccharides, sugar alcohols, and non-toxic organic and inorganic salts or acids, polypeptides and mixtures thereof.
- 8. The catheter assembly as claimed in claim 7, wherein said osmolality-increasing compound(s) is/are selected from the group consisting of glucose, sorbitol, sodium chloride, sodium citrate, sodium benzoate, calcium chloride, potassium chloride, potassium iodide and potassium nitrate.
- 9. The catheter assembly as claimed in any one of the preceding claims, wherein the said wetting fluid (150; 250; 350; 450; 650; 750) further comprises a polymer.

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- 10. The catheter assembly as claimed in claim 9, wherein the polymer is a hydrophilic polymer, and preferably the same type of hydrophilic polymer as in the hydrophilic coating of the catheter.
- 20 11. The catheter assembly as claimed in claim 9 or 10, wherein the amount of polymer in the wetting fluid is in the range 0-20% of weight, and most preferably in the range 5-15%, and typically about 10%.
- 12. The catheter assembly as claimed in any one of the preceding claims, wherein the wetting fluid (150; 250; 350; 450; 650; 750) is a water-based liquid.
 - 13. The catheter assembly as claimed in any one of the preceding claims, wherein the catheter is a urinary catheter (130; 230; 330; 430; 630; 730) intended for intermittent use.

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- 14. The catheter assembly as claimed in any one of the preceding claims, wherein said wetting receptacle (120; 420; 720) encloses the entire catheter (130; 430; 730).
- 35 15. The catheter assembly as claimed in any one of the preceding claims, wherein said receptacle (220; 420; 620; 720) entirely encloses said wetting fluid.

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- 16. The catheter assembly as claimed in any one of the preceding claims, further comprising a separate wetting fluid container, which encloses said wetting fluid (150; 250; 350; 450; 650; 750) and which forms part of said catheter assembly.
- 17. A wetting fluid (150; 250; 350; 450; 650; 750) for activation of a hydrophilic surface layer in order to produce a low-friction surface character of said hydrophilic surface layer by treatment by said the wetting fluid, c h a r a c t e r i z e d in that the wetting fluid (150; 250; 350; 450; 650; 750) comprises at least one dissolved osmolality-increasing compound, wherein the total concentration of the osmolality-increasing compound(s) exceeds 600 mOsm/dm³.
 - 18. The wetting fluid as claimed in claim 17, wherein the total concentration of said osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) exceeds 700 mOsm/dm³, and preferably exceeds 800 mOsm/dm³.
 - 19. The wetting fluid as claimed in claim 17, wherein the total concentration of said osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) is in the range of 850 to 950 mOsm/dm³, preferably about 900 mOsm/dm³.
- 20. The wetting fluid as claimed in any one of claims 17-19, wherein the total concentration of said osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) is less than 1500 mOsm/dm³.
- 21. The wetting fluid as claimed in any one of claims 17-20, wherein said osmolality-increasing compound(s) is/are selected from the group consisting of urea, amino acids, mono and disaccharides, sugar alcohols, and non-toxic organic and inorganic salts or acids, polypeptides and mixtures thereof.
- 22. The wetting fluid as claimed in any one of claims 17-21, wherein the wetting fluid (150; 250; 350; 450; 650; 750) is a water-based liquid.
 - 23. A method for producing a catheter assembly, comprising:
 providing a receptacle (120; 220; 320; 420; 620; 720);
 providing a hydrophilic catheter (130; 230; 330; 430; 630; 730);
 providing a wetting fluid (150; 250; 350; 450; 650; 750);
 arranging at least an insertable part of the catheter in the receptacle (120; 220; 320; 420; 620; 720) and arranging said wetting fluid (150; 250; 350; 450; 650; 750)

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as a part of said catheter assembly;

said wetting fluid (150; 250; 350; 450; 650; 750) comprising at least one dissolved osmolality-increasing compound, the total concentration of the osmolality-increasing compound(s) exceeding 600 mOsm/dm³.

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24. The method as claimed in claim 23, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) exceeds 700 mOsm/dm³, and preferably exceeds 800 mOsm/dm³.

25. The method as claimed in claim 23, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) is in the range of 850 to 950 mOsm/dm³, and preferably about 900 mOsm/dm³.

- 26. The method as claimed in any one of claims 23-25, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) is less than 1500 mOsm/dm³.
 - 27. The method of any one of the claims 23-26, wherein the osmolality-increasing compound is selected from the group consisting of urea, amino acids, mono and disaccharides, sugar alcohols, and non-toxic organic and inorganic salts or acids, polypeptides and mixtures thereof.
 - 28. The method of any one of the claims 23-27, wherein the wetting fluid (150; 250; 350; 450; 650; 750) is a water-based liquid.

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29. A catheter (130; 230; 330; 430; 630; 730) having on its surface, on at least an insertable part thereof, a hydrophilic surface layer for producing a low-friction surface character of the catheter by treatment with a wetting fluid (150; 250; 350; 450; 650; 750), c h a r a c t e r i z e d in that the hydrophilic coating when wetted in preparation for an intended use incorporates at least one osmolality-increasing compound, wherein the total concentration of the osmolality-increasing compound(s) exceeds 600 mOsm/dm³.

30. The catheter as claimed in claim 29, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) exceeds 700 mOsm/dm³, and preferably exceeds 800 mOsm/dm³.

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31. The catheter as claimed in claim 29 or 30, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) is in the range of 850 to 950 mOsm/dm³, and preferably about 900 mOsm/dm³.

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- 32. The catheter as claimed in any one of claims 29-3§, wherein the catheter is a urinary catheter (130; 230; 330; 430; 630; 730) intended for intermittent use.
- 33. Use of a wetting fluid solution (150; 250; 350; 450; 650; 750) for

 10 activation of a catheter (130; 230; 330; 430; 630; 730) having on its surface, on at
 least an insertable part thereof, a hydrophilic surface layer providing low-friction
 surface character of the catheter by treatment with said wetting fluid,
 c h a r a c t e r i z e d in that the wetting fluid (150; 250; 350; 450; 650; 750)
 comprises at least one dissolved osmolality-increasing compound, wherein the total

 15 concentration of the dissolved osmolality-increasing compound(s) exceeds 600
 mOsm/dm³.
 - 34. The use as claimed in claim 33, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) exceeds 700 mOsm/dm³, and preferably exceeds 800 mOsm/dm³.

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35. The use as claimed in claim 33 or 34, wherein the total concentration of the osmolality-increasing compound(s) in the wetting fluid (150; 250; 350; 450; 650; 750) is in the range of 850 to 950 mOsm/dm³, and preferably about 900 mOsm/dm³.